

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A network system connecting plural information communicating devices for communicating information to each other through a communication network, each of the information communicating devices comprising:
 - a receiving means for receiving information comprising a first time information having a first time data attached with a first reliability data; and
 - a transmitting means for transmitting information comprising a second time information having said first time information attached with a second reliability data to the communication network,
 - wherein the second reliability data indicates a reliability of the first time information included in the second time information and the second reliability data is calculated in a device transmitting the information.
2. (previously presented): The network system claimed in claim 1, wherein each of plural information communicating devices further comprising:
 - a time data generating means for generating a second time data of the transmitting device;
 - a time data extracting means for extracting said first time information from said information received by said receiving means;
 - a time data comparing means for comparing said second time data with said first time data with said first reliability data; and

a time correcting means for correcting said time generating means based on a comparison result by said time data comparing means.

3. (previously presented) The network system claimed in claim 2, wherein said time data comparing means compares said second time data when said first time data with said first reliability data is within a predetermined range.

4. (previously presented) The network system claimed in claim 1, wherein said communication network comprises internet.

5. (previously presented) The network system claimed in claim 1, wherein said communication network comprises a wireless communication network.

6. (previously presented) The network system claimed in claim 1, wherein said communication network comprises a wired communication network.

7. (previously presented) The network system claimed in claim 1, wherein the information comprising said second time information is transmitted by an E-mail from said transmitting means.

8. (previously presented) The network system claimed in claim 1, wherein the information comprising said second time information is transmitted using a Web processing from said transmitting means.

9. (previously presented) The network system claimed in claim 1, wherein said second reliability data attached to said first time information is based on a processing time required from receiving to transmitting in the transmitting information communicating device.

10. (previously presented) The network system claimed in claim 1, wherein said first reliability data attached to said first time data in said first time information is based on the number of said information communicating devices through which said time data passed.

11. (previously presented) The network system claimed in claim 1, further comprising a time data extracting device for extracting time data transmitted from a GPS satellite, wherein said time data extracting device transmits a time information including said time data attached with a reliability data of the extracting device to said information communicating device.

12. (previously presented) The network system claimed in claim 11, wherein said information communicating device requests said time data extracting device to transmit information comprising said time data.

13. (currently amended): A information communicating device for communicating information with other information communicating devices through a communication network, the information communicating device comprising:

a receiving means for receiving information comprising a first time information having a first time data attached with a first reliability data; and

a transmitting means for transmitting information comprising a second time information having said first time information attached with a second reliability data to the communication network,

wherein the second reliability data indicates a reliability of the first time information included in the second time information and the second reliability is calculated based on a device transmitting the information, and

wherein the second reliability data comprises time required from the reception of the data to the transmission of the data in the device transmitting the information.

14. (previously presented) The information communicating device claimed in claim 13, further comprising:

a time data generating means for generating a second time data of the transmitting device;

a time data extracting means for extracting said first time information having said first time data with said first reliability data received by said receiving means,

a time data comparing means for comparing said second time data with said first time data with said first reliability data in said first time information; and

a time correcting means for correcting said time generating means based on a comparison result by said time data comparing means.

15. (previously presented) The network system claimed in claim 1, wherein said receiving means receive the information from a previous transmitting device from said information communicating devices, and wherein said received first time data attached with said first reliability data is time data received by the previous transmitting device adjusted by required processing time from receiving to transmitting in the previous transmitting device.

16. (previously presented) The network system claimed in claim 15, wherein the second reliability data is processing time required by the transmitting device, the transmitting device is a current transmitting device, and wherein information received by a next transmitting device from said information communicating devices comprises time received from a GPS corrected by processing times of all previous devices that transmitted time information before the information reached the next transmitting device, said all previous devices comprise the previous transmitting device and the current transmitting device.

17. (previously presented) A network system for communicating accurate time information to a plurality of communicating devices comprising:

a first communicating device receiving time information from a remote source and transmitting time data comprising the received time information adjusted by a processing time in the first communicating device; and

a second communicating device receiving the transmitted time data and adjusting clock of the second communicating device using the received time data,

wherein the processing time comprises a lapsed period of time from a moment when the first communicating device received the time information to a moment when the first communicating device is ready to transmit the received time information.

18. (previously presented) The network system according to claim 17, wherein the processing time further comprises an identification number to match the calculated processing time with the received time information.